



**B O A R D O F S T U D I E S**  
NEW SOUTH WALES

## **2010 HSC Design and Technology Marking Guidelines**

### **Section I**

<b>Question</b>	<b>Answer</b>
1	A
2	B
3	C
4	B
5	C
6	C
7	D
8	B
9	D
10	C

## Section II

### Question 11

Criteria	Marks
• Sketches in general terms forms of communication used by designers	2
• Identifies a form of communication used by designers	1

### Question 12

Criteria	Marks
• Provides characteristics and features of the factors a designer would consider when designing signage for a school	3
• Sketches in general terms factors a designer would consider when designing signage for a school	2
• Identifies a factor a designer would consider when designing signage for a school	1

**Question 13**

<b>Criteria</b>	<b>Marks</b>
<ul style="list-style-type: none"><li>• Makes the relationship between the factors and the consideration evident (when interpreting and applying research data)</li><li>• Provides the reasons why the designer considers these factors</li></ul>	4
<ul style="list-style-type: none"><li>• Provides characteristics and features of the factors a designer would need to consider when interpreting and applying research data</li></ul>	3
<ul style="list-style-type: none"><li>• Sketches in general terms factors a designer would consider when interpreting and applying research data</li></ul>	2
<ul style="list-style-type: none"><li>• Identifies a factor a designer would consider when interpreting and applying research data</li></ul>	1

**Question 14**

<b>Criteria</b>	<b>Marks</b>
<ul style="list-style-type: none"><li>• Makes evident the relationship between the selection of presentation techniques and how they influence the communication of a design idea to a client</li></ul>	5–6
<ul style="list-style-type: none"><li>• Provides characteristics and features of the selected presentation techniques and demonstrates a link as to how this influences the communication of a design idea to a client</li></ul>	3–4
<ul style="list-style-type: none"><li>• Sketches in general terms the presentation techniques and/or how they influence the communication of a design idea to a client</li></ul>	2
<ul style="list-style-type: none"><li>• Identifies a presentation technique that could be used to present a design idea to a client</li></ul>	1

### Section III

#### Question 15 (a)

Criteria	Marks
<ul style="list-style-type: none"><li>Makes the relationship evident between the emergence of new technologies and their impact upon the nature of work, supported by cause and effect statements</li></ul>	5–6
<ul style="list-style-type: none"><li>Provides characteristics and features of new technologies with references to the impact upon the nature of work</li></ul>	3–4
<ul style="list-style-type: none"><li>Sketches in general terms features of new technology and demonstrates a link to the impact upon the nature of work</li></ul>	2
<ul style="list-style-type: none"><li>Identifies a new technology</li></ul> OR <ul style="list-style-type: none"><li>Identifies an impact upon the nature of work</li></ul>	1

#### Question 15 (b)

Criteria	Marks
<ul style="list-style-type: none"><li>Draws out and clearly relates the implications of designers using available and emerging technologies to innovate and further develop designs</li></ul>	9
<ul style="list-style-type: none"><li>Provides reasons why and/or how designers use available and emerging technologies to innovate and further develop designs</li></ul>	7–8
<ul style="list-style-type: none"><li>Identifies issues and provides evidence relating to how designers use available and emerging technologies to innovate and further develop designs</li></ul>	5–6
<ul style="list-style-type: none"><li>Provides characteristics and features relating to how designers use available and emerging technologies to innovate and further develop designs</li></ul>	3–4
<ul style="list-style-type: none"><li>Outlines an emerging technology</li></ul> OR <ul style="list-style-type: none"><li>Outlines how designers innovate or further develop new designs</li></ul>	2
<ul style="list-style-type: none"><li>Identifies an emerging technology</li></ul>	1

# Design and Technology

## 2010 HSC Examination Mapping Grid

Question	Marks	Content	Syllabus outcomes
<b>Section I</b>			
1	1	OHS	H4.2
2	1	Ergonomics	H1.1
3	1	Success and failure	H1.1
4	1	Project management	H5.1
5	1	Work of designers	H1.2
6	1	Sustainable technologies	H2.2
7	1	Data analysis	H5.2
8	1	Entrepreneurial activity	H3.1
9	1	Evaluation	H4.3
10	1	Industrial and commercial	H6.1
<b>Section II</b>			
11	2	Communication methods	H5.2
12	3	Presenting and visualising information	H5.2
13	4	Analysis of research data	H5.2
14	6	Presenting information	H5.2
<b>Section III</b>			
15 (a)	6	Impact of emerging technologies	H6.2
15 (b)	9	Factors that influence innovation	H3.1